

**WPD 106 1X70/2X25+3X16 BK****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Power feed-in**

Our wide range of W-Series terminal blocks with our WPD main line branch terminals, which are optimised to guarantee both convenience and space gains, ensures a secure and convenient connection at the power feed-in.

**General ordering data**

Version	W-Series, Distribution block, Rated cross-section: Screw connection
Order No.	<a href="#">2725440000</a>
Type	WPD 106 1X70/2X25+3X16 BK
GTIN (EAN)	4050118796148
Qty.	1 pc(s).

Creation date January 10, 2022 9:29:30 PM CET

Catalogue status 17.12.2021 / We reserve the right to make technical changes.

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## Technical data

### Dimensions and weights

Depth	50.4 mm	Depth (inches)	1.984 inch
Height	74.5 mm	Height (inches)	2.933 inch
Width	39.5 mm	Width (inches)	1.555 inch
Net weight	200 g		

### Temperatures

Storage temperature	-25 °C...55 °C	Continuous operating temp., min.	-50 °C
Continuous operating temp., max.	130 °C		

### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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### Material data

Material	Wemid	Colour	black
UL 94 flammability rating	V-0		

### System specifications

Version	Screw connection	End cover plate required	No
Number of potentials	1	Number of levels	1
Number of clamping points per level	2	Number of potentials per tier	1
Levels cross-connected internally	Yes	Rail	Mounting plate, TS 35
N-function	Yes	PE function	No
PEN function	No		

### Additional technical data

Open sides	closed	Type of mounting	Snap-on
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### Conductors for clamping (rated connection)

Connection direction	on side	Type of connection	Screw connection
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### General

Number of poles	1	Rail	Mounting plate, TS 35
Standards	IEC 60947-7-1, UL 1059		

### Rating data

Rated AC voltage	1,000 V	Rated current	215 A
Standards	IEC 60947-7-1, UL 1059		

### Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ECLASS 9.0	27-14-11-20
ECLASS 9.1	27-14-11-20	ECLASS 10.0	27-14-11-20
ECLASS 11.0	27-14-11-20		

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**Data sheet****WPD 106 1X70/2X25+3X16 BK****Weidmüller Interface GmbH & Co. KG**  
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**Technical data****Approvals**

Approvals



ROHS

Conform

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Conformity[VDE Certificate](#)  
[DNV Certificate](#)  
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Catalogues

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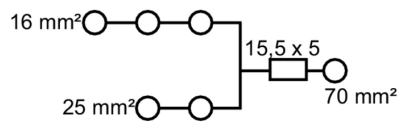
**Data sheet**

**WPD 106 1X70/2X25+3X16 BK**

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**Drawings**



**Power distribution**  
**Screw connection**

**W-Series**  
**WPD 106 1X70/2X25+3X16 GY**



Width / Height / Depth	mm
max. current / max. conductor	A/mm <sup>2</sup>
max. clamping range	mm <sup>2</sup>

**Technical data**

<b>Rated data</b>		
Rated voltage		V
Rated current		A
for wire cross-section	70 mm <sup>2</sup>	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity		
Overvoltage category / UL 94 flammability rating		
Approvals		
<b>Clamped conductors (H05V/H07V)</b>		
Solid / Stranded	70 mm <sup>2</sup>	mm <sup>2</sup>
	25 mm <sup>2</sup>	mm <sup>2</sup>
	16 mm <sup>2</sup>	mm <sup>2</sup>
Flexible with ferrule	70 mm <sup>2</sup>	mm <sup>2</sup>
	25 mm <sup>2</sup>	mm <sup>2</sup>
	16 mm <sup>2</sup>	mm <sup>2</sup>
Stripping length / Blade size	70 mm <sup>2</sup>	mm/-
	25 mm <sup>2</sup>	mm/-
	16 mm <sup>2</sup>	mm/-
Tightening torque		Nm
<b>Note</b>		

**Ordering data**

<b>Version</b>	
	grey
	blue
	red
	black
<b>Note</b>	

**Accessories**

<b>Cross connection</b>	
	2-pole
<b>End bracket</b>	
	dark beige
	dark beige
<b>Screwdriver</b>	
	SET

**WPD 106** **70 mm<sup>2</sup>**



39.5 / 50.4 / 70	
192 / 70	
10...70	

**IEC 60947-7-1 (Cu), UL 1059 (Cu+Al)**

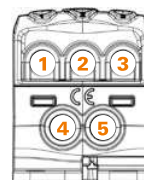
IEC	UL	CSA	EN 60079-7
1000	600	600	550
192	160	175	160
70	AWG 10...2/0	AWG 10...2/0	70
8 kV / 3			
III / V-0			

<b>Rated connection</b>	
10...70 / 10...70	
2.5...25 / 2.5...25	
1.5...16 / 1.5...16	
6...50	
1.5...16	
1.5...10	
19 / M8	
14 / M6	
12 / M6	

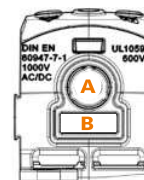
see appendix at the end of the chapter

Type	Qty.	Order No.
WPD 106 1x70/2x25+3x16 GY	1	1562210000
WPD 106 1x70/2x25+3x16 BL	1	2518570000
WPD 106 1x70/2x25+3x16 RD	1	2725340000
WPD 106 1x70/2x25+3x16 BK	1	2725440000

Type	Qty.	Order No.
WQB WPD X06/2	20	1561940000
WEW 35/2	100	1061200000
AEB 35 SC/1	50	1991920000
SDK PZ2 X 100	1	2749450000
SK WSD-S 1,5-10,0	1	9008850000



output

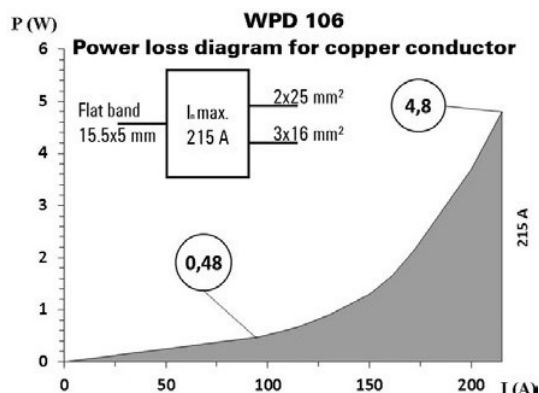


input

Conductor connection data according to IEC 60947-7-1 (Cu), UL 1059 (Cu+Al)

Input	connection point A				CP** B
	Copper		Aluminium*		Copper
70 mm <sup>2</sup>					
50 mm <sup>2</sup>	10 Nm	10 Nm	13,6 Nm	13,6 Nm	
35 mm <sup>2</sup>					
25 mm <sup>2</sup>					
16 mm <sup>2</sup>					
10 mm <sup>2</sup>	2 Nm				
6 mm <sup>2</sup>					
Flat band 15,5x5 mm	19 mm				17 mm
Stripping lengths	M8				M5
Allen screw					

\* Values according to UL 1059 \*\* CP - connection point



Output	connection point 1/2/3				connection point 4/5			
	Copper		Aluminium*		Copper		Aluminium*	
25 mm <sup>2</sup>								
16 mm <sup>2</sup>	2 Nm	2 Nm	5,1 Nm	2,5 Nm	2,5 Nm	5,1 Nm	5,1 Nm	
10 mm <sup>2</sup>								
6 mm <sup>2</sup>								
4 mm <sup>2</sup>								
2.5 mm <sup>2</sup>	12 mm	M6			14 mm	M6		
1.5 mm <sup>2</sup>								
Stripping lengths								
Allen screw								

\* Values according to UL 1059



UL Rating data according to UL 1059

Certificate no. (UR)	XCFR2.E60693				
	connection point A				CP** B
Input (line)	Copper		Aluminium		Copper
AWG 2/0	88.5 Lb In.	88.5 Lb In.	120.4 Lb In.	100 Lb In.	
AWG 1/0					
AWG 2					
AWG 4					
AWG 6					
AWG 8					
AWG10	17.4 Lb In.				
Flat band 15.5x3.2 mm					
max. current	160 A	150 A	135 A	120 A	160 A
Voltage size B,C (UR)	600 V				

\*\* CP - connection point

CSA rating data according to CSA 22.2 No. 158

Certificate No. (CSA)	269832		
	Input	Output	
	CP* A	CP* 1/2/3	CP* 4/5
AWG 2/0	10 Nm.		
AWG 1/0			
AWG 2			
AWG 4			
AWG 6			
AWG 8			
AWG10	2 Nm		2 Nm
AWG 12			
AWG 14			
AWG 16			
max. current	175 A	50 A	65 A
Voltage size C (CSA)	600 V		

\* CP - connection point

output (load)	connection point 1/2/3				connection point 4/5			
	Copper		Aluminium		Copper		Aluminium	
AWG 4	22.6 Lb In.	22.6 Lb In.	45.1 Lb In.	22.6 Lb In.	22.6 Lb In.	45.1 Lb In.	45.1 Lb In.	
AWG 6								
AWG 8								
AWG 10								
AWG 12								
AWG 14								
AWG 16	65 A	50 A	50 A	85 A	65 A	65 A	50 A	
max. current								
Voltage size B,C (UR)	600 V							

